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NO FOREIGN DISSEN

ORR contribution for Project No. 00.4566, The Effect of Air Strikes on the Economy of North Vietnam

Estimates of Project Desage

A. Econorda

1. The economic lesses caused by US/(WM air strikes in North Victum continue to increase, and the adverse effects of these leases are now spreading throughout the commony. The losses, however, still remain small compared to total economic activity, because the country is presiminantly spricultural and the major industrial facilities have not been attached. The mest important effects on the economy ero: (a) difficulties in distributing food to local food-deficit eros; (b) production losses caused by diversion of skilled associate and scarce amterials from productive uses to the repair of damged facilities; (c) disruption of normal work echedules because of the threat of air attack; (ii) reduction of foreign exchange carnings because of the difficulty in moving export goods to port; (c) losses in agriculture stitributable to demage to power stations and thus to irrigation capaaity; and (f) problems in management and edministration caused by the disruption and re-location of economic activity. The cumulative strains now show signs of becoming severs enough that aid from Communist countries will have to be stepped up if the economy is to meet both minimum civilies and military requirements. But economic deterioration so far has not affected the expabilities of Burth Vietnam's armed forces. which place little direct relience on the demestic comony for seterial.

Bee Tables I and 2 for detailed information on types and extent of military and economic demage.

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The one enception: Bowment of personnel, equipment, and supplies is being hospered by durings to transportation facilities.

2. Direct losses enused by damage to economic facilities and eggipment is now estimated at elmost \$20 million. Measurable indirect losses service to \$12.5 million, sainly reduction in foreign tends and agricultural extent. The direct economic leases that can be measured have fallen most bearily on the trunsportation sector of the economy. The cost of personal rescastruction of rail/highest bridges would be shows \$8 million, and the replacement of repair of destroyed or desegod transport equipment would cost an additional (A.3 million. The cost of temperary regains to bridges would be about \$1 million. Recomstruction of the drawed electric power plants would cont shout \$4.5 million and the textile mill \$1 million. Repair costs for the petrolema sharens facilities are estimated at short \$500 thousand. The growing loss of foreign exchange enraings - now totalling \$6.5 million - is aggregiable, though not yet serious. The growing losses from lower production throughout the commony can be quantified only in agriculture where potential losses in full rice crops and other disreption to sormed forming will encount to shout \$6 million. The measurable costs of reconstruction, replacement, and repair of damaged facilities, if estimpted, would represent about 20 percent of total gross sessal important in industry. In addition forth Vietnes is incurring additional cours for temporary expedients to compensate in part for the demand facilities. Purchases of portable electric power goostates,

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temporary bridging equipment, additional motor trucks, and small tanks and drams for the transportation and storage of petroleum are impressing for above normal levels. It is not possible at this point to estimate the value of those purchases.

3. The strains created by the besting upon distribution, supposer resources and emangament capabilities are reducing deposite industrial performance and the effectiveness of Communist aid. Industry in the parts of the country affected directly by the bushing amountly accounts for only about 20 percent of total gross industrial dubjut and consists uninly of textile production, fool processing, imphor and paper production, chromite mining, and processing of cruis phosphate fertilizers. The economic losses sustained in the bombed eress are principally a consequence of the loss of electric power. and disregulace to the transportation evates. Beriships are severe in these parts of the country and continuing shorteges of food and equipment are hospering reconstruction efforts. Devertheless the principly rural pature of the eres permits continued functioning of the exhibitance economy. In the sore economically important parts of the country there is explicit evidence of industry's failure to outpace the jacressing disruption cannot by the air strikes and the policies edopted as a consequence of them. An important official in industry has stated that despite the overtime work required of almost all workers, much machinery and tool factories and many factories producing consumer goods have been unable to keep up with demaal.

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the strains upon distribution, nangoner resources and management expeditities have increasingly affected industrial production adversely. These strains resulting indirectly from the bonding are being compounded by implementation of plans to disperse industrial production in order to such industry loss valuerable to air attack and to reduce the requirement for transportation. The problems that are because for the transportation offerts and have reduced industrial output are also reducing the effectiveness of sid from Cassanist countries. Progress is being delayed in the completion of several economic development projects for which foreign aid is being received. Nort is continuing on other major economic projects of the First Five Year Flan (1961-1965) and several additional projects have been started. Economic development, therefore, appears to be continuing, but 10 is no longer orderly and probably vill be retarded significantly.

h. The beshings of the bridges on the Doug Deng - Manot resilized line apparently halted traffic only briefly, and the receipt of military equipment and economic goods from China by this rente probably inte not been eignificantly impeded. Through traffic on the Henoi - Lee Chi railroad line has not remand since this line was first bombed in Mid-July. The railroads south of Manoi remain imperable for through traffic. In spite of the beavy damage to read bridges, substantial amounts of both communic and military traffic continue to be hauled by notor truck. The movement of all types of traffic an

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transportation. Repair of the damps to the fire electric power please has not progressed. The reduction of total generating capacity by short 14 percent continues to cause relatively minor contailment of mining and industrial committees and loss of power for invisation systems. Bulk petrolines storage facilities have been reduced in capacity by shout 17 percent. There are localized problem in potentions distribution and storage, but there is no overall petroleum shortege in the country. Priorities and alternate means of communication have had to be established in the telecommunications industry and the effectiveness of postal service is continuing to believe. Food shortages continue to be reported as particularly serious in the southern provinces. Interreption of menal invication corvices in Trink But and Eghe An provinces and interruption of usual families graction will probably cause a reduction in the fall rice berwests. The volume of ecoborus exports is dealining, and there may be a lag of s much on 20 percent in planned exports by the end of the year.